IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant: Victor T. Chen et al.

Title: Method and Apparatus for Using Atrial Discription Algorithms to Determine Optimal Paramy and Therapy Timing

Serial No.: 09/712,600

Examiner: Unknown

Group Art Unit: Unknown

Commissioner for Patents Washington, D.C. 20231

We are transmitting herewith the attached:

 \mathbf{X} Revocation and Power of Attorney (2 pages)

 \mathbf{X} A return postcard.

SCHWEGMAN, LUNDBERG, WOESSNER & KLUTH, P.A. P.O. Box 2938, Minneapolis, MN 55402 (612-373-6900)

Name: Timothy E. Bianchi

Reg. No. 39,610 TEB:CMG:pms

CERTIFICATE UNDER 37 CFR 1.8: The undersigned hereby certifies that this correspondence is being deposited with the United States Postal Service with sufficient postage as first class mail, in an envelope addressed to: Commissioner for Patents, Washington, D.C. 20231, on this 20 day of May, 2002.

PATENT S/N 09/712,600

IN THE UNITED STATES PACENFAND TRADEMARK OFFICE

JUN 0 4 2002

Applicant: Victor T. Chen et al.

Serial No.: 09/712,600

Filed: November 14, 2000

Examiner: Unknown
Group Art Unit: Unknown
Docket: 279.492US1
Scrimination Algorithms to Determine Method and Apparatus for Using Atria Title:

Optimal Pacing Therapy and Therapy Timing

REVOCATION AND POWER OF ATTORNEY CERTIFICATE UNDER 37 CFR §3.73(b)

Commissioner for Patents Washington, D.C. 20231

In accordance with 37 C.F.R. Section 1.36, M.P.E.P. Section 402.05 and 402.07, please revoke any existing Powers of Attorney, if any, and appoint the following attorneys and/or patent agents to prosecute this application and to transact all business in the Patent and Trademark Office in connection therewith:

Aronoff, Marvin S. Reg. No. 35,052 Lundberg, Steven W. Reg. No. 30,568 Arona, Suneel Reg. No. 42,267 Maki, Peter C. Reg. No. 42,832 Beekman, Marvin L. Reg. No. 38,377 Malen, Peter L. Reg. No. 44,894 Berdie, Raymond R. Reg. No. 50,769 Mates, Robert E. Reg. No. 35,271 Bianchi, Timothy E. Reg. No. 39,610 McCrackin, Ann M. Reg. No. 42,858 Billion, Richard E. Reg. No. 32,836 McTavish, Hugh E. Reg. No. 48,341 Black, David W. Reg. No. 42,331 Mchrle, Joseph P. Reg. No. 45,535 Brennan, Thomas F. Reg. No. 35,075 Moore, Charles L., Jr. Reg. No. 33,742 Brooks, Edward J., III Reg. No. 40,925 Muller, Mark V. Reg. No. 37,509 Chadwick, Robin A. Reg. No. 36,477 Nama, Kash Reg. No. 44,255 Clapp, Richard R. Reg. No. 31,751 Nasiedlak, Tyler L. Reg. No. 28,650 Clise, Timothy B. Reg. No. 38,107 Nelson, Albin J. Reg. No. 28,650 Clise, Timothy B. Reg. No. 40,632 Padys, Danny J. Reg. No. 25,539 Cochran,				
Arora, Suneel Reg. No. 42,267 Maki, Peter C. Reg. No. 42,832 Beekman, Marvin L. Reg. No. 38,377 Malen, Peter L. Reg. No. 44,894 Berdie, Raymond R. Reg. No. 50,769 Mates, Robert E. Reg. No. 42,858 Billion, Richard E. Reg. No. 39,610 McCrackin, Ann M. Reg. No. 42,858 Billion, Richard E. Reg. No. 32,836 McTavish, Hugh E. Reg. No. 48,341 Black, David W. Reg. No. 42,331 Mehrle, Joseph P. Reg. No. 45,535 Brennan, Thomas F. Reg. No. 36,075 Moore, Charles L., Jr. Reg. No. 33,742 Brooks, Edward J., III Reg. No. 36,477 Nama, Kash Reg. No. 37,509 Chadwick, Robin A. Reg. No. 34,751 Nasiedlak, Tyler L. Reg. No. 44,255 Clapp, Richard R. Reg. No. 31,751 Nasiedlak, Tyler L. Reg. No. 40,099 Clark, Barbara J. Reg. No. 38,107 Nelson, Albin J. Reg. No. 28,650 Clise, Timothy B. Reg. No. 40,957 Nielsen, Walter W. Reg. No. 35,650 Cohran, David R. Reg. No. 44,639 Parker, J. Kevin Reg. No. 33,024 Drake,	Anglin, J. Michael	Reg. No. 24,916	LeMoine, Dana B.	Reg. No. 40,062
Beekman, Marvin L. Reg. No. 38,377 Malen, Peter L. Reg. No. 44,894 Berdie, Raymond R. Reg. No. 50,769 Mates, Robert E. Reg. No. 35,271 Bianchi, Timothy E. Reg. No. 39,610 McCrackin, Ann M. Reg. No. 42,858 Billion, Richard E. Reg. No. 32,836 McTavish, Hugh E. Reg. No. 48,341 Billion, Richard E. Reg. No. 42,331 Mehrle, Joseph P. Reg. No. 48,535 Brennan, Thomas F. Reg. No. 35,075 Moore, Charles L., Jr. Reg. No. 33,742 Brooks, Edward J., III Reg. No. 36,477 Nama, Kash Reg. No. 37,509 Chadwick, Robin A. Reg. No. 36,477 Nama, Kash Reg. No. 44,255 Clapp, Richard R. Reg. No. 31,751 Nasiedlak, Tyler L. Reg. No. 40,099 Clark, Barbara J. Reg. No. 31,751 Nelson, Albin J. Reg. No. 25,539 Clise, Timothy B. Reg. No. 40,957 Nielsen, Walter W. Reg. No. 25,539 Cochran, David R. Reg. No. 44,632 Padys, Danny J. Reg. No. 33,024 Drake, Eduardo E. Reg. No. 40,594 Perdok, Monique M. Reg. No. 42,989 Embr	Aronoff, Marvin S.	Reg. No. 35,052	<u> </u>	,
Berdie, Raymond R. Reg. No. 50,769 Mates, Robert E. Reg. No. 35,271 Bianchi, Timothy E. Reg. No. 39,610 McCrackin, Ann M. Reg. No. 42,858 Billion, Richard E. Reg. No. 32,836 McTavish, Hugh E. Reg. No. 48,341 Black, David W. Reg. No. 42,331 Mehrle, Joseph P. Reg. No. 45,535 Brennan, Thomas F. Reg. No. 35,075 Moore, Charles L., Jr. Reg. No. 33,742 Bronks, Edward J., III Reg. No. 40,925 Muller, Mark V. Reg. No. 37,509 Chadwick, Robin A. Reg. No. 36,477 Nama, Kash Reg. No. 40,255 Clark, Barbara J. Reg. No. 31,751 Nasiedlak, Tyler L. Reg. No. 40,099 Clise, Timothy B. Reg. No. 40,957 Nielsen, Walter W. Reg. No. 25,539 Cochran, David R. Reg. No. 46,632 Padys, Danny J. Reg. No. 35,635 Dahl, John M. Reg. No. 44,639 Parker, J. Kevin Reg. No. 33,024 Drake, Eduardo E. Reg. No. 40,594 Perdok, Monique M. Reg. No. 42,989 Embretson, Janet E. Reg. No. 39,665 Peret, Andrew R. Reg. No. 41,246 Forre	Arora, Suneel		· ·	•
Bianchi, Timothy E. Reg. No. 39,610 McCrackin, Ann M. Reg. No. 42,858 Billion, Richard E. Reg. No. 32,836 McTavish, Hugh E. Reg. No. 48,341 Black, David W. Reg. No. 42,331 Mehrle, Joseph P. Reg. No. 45,535 Brennan, Thomas F. Reg. No. 35,075 Moore, Charles L., Jr. Reg. No. 33,742 Brooks, Edward J., III Reg. No. 40,925 Muller, Mark V. Reg. No. 37,509 Chadwick, Robin A. Reg. No. 36,477 Nama, Kash Reg. No. 40,3750 Clary, Richard R. Reg. No. 31,751 Nasiedlak, Tyler L. Reg. No. 40,099 Clark, Barbara J. Reg. No. 38,107 Nelson, Albin J. Reg. No. 28,650 Clise, Timothy B. Reg. No. 40,957 Nielsen, Walter W. Reg. No. 25,539 Cochran, David R. Reg. No. 46,632 Padys, Danny J. Reg. No. 35,635 Dahl, John M. Reg. No. 40,594 Perdok, Monique M. Reg. No. 33,024 Drake, Eduardo E. Reg. No. 39,665 Peret, Andrew R. Reg. No. 41,246 Forrest, Bradley A. Reg. No. 36,143 Phillips, Bryan K. Reg. No. 47,857 Gam	Beekman, Marvin L.	Reg. No. 38,377	Malen, Peter L.	•
Billion, Richard E. Reg. No. 32,836 McTavish, Hugh E. Reg. No. 48,341 Black, David W. Reg. No. 42,331 Mehrle, Joseph P. Reg. No. 45,535 Brennan, Thomas F. Reg. No. 35,075 Moore, Charles L., Jr. Reg. No. 33,742 Brooks, Edward J., III Reg. No. 40,925 Muller, Mark V. Reg. No. 37,509 Chadwick, Robin A. Reg. No. 36,477 Nama, Kash Reg. No. 44,255 Clapp, Richard R. Reg. No. 31,751 Nasiedlak, Tyler L. Reg. No. 40,099 Clark, Barbara J. Reg. No. 38,107 Nelson, Albin J. Reg. No. 28,650 Clise, Timothy B. Reg. No. 40,957 Nielsen, Walter W. Reg. No. 25,539 Cochran, David R. Reg. No. 46,632 Padys, Danny J. Reg. No. 35,635 Dahl, John M. Reg. No. 44,639 Parker, J. Kevin Reg. No. 33,024 Drake, Eduardo E. Reg. No. 40,594 Perdok, Monique M. Reg. No. 42,899 Embretson, Janet E. Reg. No. 39,665 Peret, Andrew R. Reg. No. 41,246 Forrest, Bradley A. Reg. No. 36,143 Phillips, Bryan K. Reg. No. 47,857 Gamon	Berdie, Raymond R.	Reg. No. 50,769	Mates, Robert E.	
Black, David W. Reg. No. 42,331 Mehrle, Joseph P. Reg. No. 45,535 Brennan, Thomas F. Reg. No. 35,075 Moore, Charles L., Jr. Reg. No. 33,742 Brooks, Edward J., III Reg. No. 40,925 Muller, Mark V. Reg. No. 37,509 Chadwick, Robin A. Reg. No. 36,477 Nama, Kash Reg. No. 44,255 Clapp, Richard R. Reg. No. 31,751 Nasiedlak, Tyler L. Reg. No. 40,099 Clark, Barbara J. Reg. No. 38,107 Nelson, Albin J. Reg. No. 28,650 Clise, Timothy B. Reg. No. 40,957 Nielsen, Walter W. Reg. No. 25,539 Cochran, David R. Reg. No. 46,632 Padys, Danny J. Reg. No. 35,635 Dahl, John M. Reg. No. 44,639 Parker, J. Kevin Reg. No. 33,024 Drake, Eduardo E. Reg. No. 40,594 Perdok, Monique M. Reg. No. 42,989 Embretson, Janet E. Reg. No. 39,665 Peret, Andrew R. Reg. No. 41,246 Forrest, Bradley A. Reg. No. 36,143 Phillips, Bryan K. Reg. No. 46,990 Gorrie, Gregory J. Reg. No. 36,530 Prout, William F. Reg. No. 39,422 Greave	Bianchi, Timothy E.	Reg. No. 39,610	McCrackin, Ann M.	
Brennan, Thomas F. Reg. No. 33,075 Moore, Charles L., Jr. Reg. No. 33,742 Brooks, Edward J., III Reg. No. 40,925 Muller, Mark V. Reg. No. 37,509 Chadwick, Robin A. Reg. No. 36,477 Nama, Kash Reg. No. 44,255 Clapp, Richard R. Reg. No. 31,751 Nasiedlak, Tyler L. Reg. No. 40,099 Clark, Barbara J. Reg. No. 38,107 Nelson, Albin J. Reg. No. 28,650 Clise, Timothy B. Reg. No. 40,957 Nielsen, Walter W. Reg. No. 25,539 Cochran, David R. Reg. No. 44,632 Padys, Danny J. Reg. No. 35,635 Dahl, John M. Reg. No. 44,639 Parker, J. Kevin Reg. No. 35,635 Dahl, John M. Reg. No. 40,594 Perdok, Monique M. Reg. No. 30,224 Embretson, Janet E. Reg. No. 39,665 Peret, Andrew R. Reg. No. 41,246 Forrest, Bradley A. Reg. No. 36,143 Phillips, Bryan K. Reg. No. 47,857 Gamon, Owen J. Reg. No. 36,143 Phillips, Bryan K. Reg. No. 46,990 Gorrie, Gregory J. Reg. No. 41,791 Schumm, Sherry W. Reg. No. 39,422 Greaves, J	Billion, Richard E.	Reg. No. 32,836	McTavish, Hugh E.	Reg. No. 48,341
Brooks, Edward J., III Reg. No. 40,925 Muller, Mark V. Reg. No. 37,509 Chadwick, Robin A. Reg. No. 36,477 Nama, Kash Reg. No. 44,255 Clapp, Richard R. Reg. No. 31,751 Nasiedlak, Tyler L. Reg. No. 40,099 Clark, Barbara J. Reg. No. 38,107 Nelson, Albin J. Reg. No. 28,650 Clise, Timothy B. Reg. No. 40,957 Nielsen, Walter W. Reg. No. 25,539 Cochran, David R. Reg. No. 46,632 Padys, Danny J. Reg. No. 35,635 Dahl, John M. Reg. No. 44,639 Parker, J. Kevin Reg. No. 33,024 Drake, Eduardo E. Reg. No. 40,594 Perdok, Monique M. Reg. No. 42,989 Embretson, Janet E. Reg. No. 39,665 Peret, Andrew R. Reg. No. 41,246 Forrest, Bradley A. Reg. No. 30,837 Peterson, David C. Reg. No. 47,857 Gamon, Owen J. Reg. No. 36,143 Phillips, Bryan K. Reg. No. 46,990 Gorrie, Gregory J. Reg. No. 36,530 Prout, William F. Reg. No. 33,995 Gortych, Joseph E. Reg. No. 40,362 Schumm, Sherry W. Reg. No. 39,422 Greaves, Jo	Black, David W.	Reg. No. 42,331	Mehrle, Joseph P.	Reg. No. 45,535
Chadwick, Robin A. Reg. No. 36,477 Nama, Kash Reg. No. 44,255 Clapp, Richard R. Reg. No. 31,751 Nasiedlak, Tyler L. Reg. No. 40,099 Clark, Barbara J. Reg. No. 38,107 Nelson, Albin J. Reg. No. 28,650 Clise, Timothy B. Reg. No. 40,957 Nielsen, Walter W. Reg. No. 25,539 Cochran, David R. Reg. No. 46,632 Padys, Danny J. Reg. No. 35,635 Dahl, John M. Reg. No. 44,639 Parker, J. Kevin Reg. No. 33,024 Drake, Eduardo E. Reg. No. 40,594 Perdok, Monique M. Reg. No. 42,989 Embretson, Janet E. Reg. No. 39,665 Peret, Andrew R. Reg. No. 41,246 Forrest, Bradley A. Reg. No. 30,837 Peterson, David C. Reg. No. 47,857 Gamon, Owen J. Reg. No. 36,143 Phillips, Bryan K. Reg. No. 46,990 Gorrie, Gregory J. Reg. No. 36,530 Prout, William F. Reg. No. 33,995 Gortych, Joseph E. Reg. No. 41,791 Schumm, Sherry W. Reg. No. 39,422 Greaves, John N. Reg. No. 40,362 Schwegman, Micheal L. Reg. No. 25,816 Haarks, Rob	Brennan, Thomas F.	Reg. No. 35,075	Moore, Charles L., Jr.	
Clapp, Richard R. Reg. No. 31,751 Nasiedlak, Tyler L. Reg. No. 40,099 Clark, Barbara J. Reg. No. 38,107 Nelson, Albin J. Reg. No. 28,650 Clise, Timothy B. Reg. No. 40,957 Nielsen, Walter W. Reg. No. 25,539 Cochran, David R. Reg. No. 46,632 Padys, Danny J. Reg. No. 35,635 Dahl, John M. Reg. No. 44,639 Parker, J. Kevin Reg. No. 33,024 Drake, Eduardo E. Reg. No. 40,594 Perdok, Monique M. Reg. No. 42,989 Embretson, Janet E. Reg. No. 39,665 Peret, Andrew R. Reg. No. 41,246 Forrest, Bradley A. Reg. No. 30,837 Peterson, David C. Reg. No. 47,857 Gamon, Owen J. Reg. No. 36,143 Phillips, Bryan K. Reg. No. 46,990 Gorrie, Gregory J. Reg. No. 36,530 Prout, William F. Reg. No. 33,995 Gortych, Joseph E. Reg. No. 41,791 Schumm, Sherry W. Reg. No. 39,422 Greaves, John N. Reg. No. 40,362 Schwegman, Micheal L. Reg. No. 25,816 Haack, John L. Reg. No. 37,346 Speier, Gary J. Reg. No. 45,458 Jackson Hu	Brooks, Edward J., III	Reg. No. 40,925	Muller, Mark V.	Reg. No. 37,509
Clark, Barbara J. Reg. No. 38,107 Nelson, Albin J. Reg. No. 25,650 Clise, Timothy B. Reg. No. 40,957 Nielsen, Walter W. Reg. No. 25,539 Cochran, David R. Reg. No. 46,632 Padys, Danny J. Reg. No. 35,635 Dahl, John M. Reg. No. 44,639 Parker, J. Kevin Reg. No. 33,024 Drake, Eduardo E. Reg. No. 40,594 Perdok, Monique M. Reg. No. 42,989 Embretson, Janet E. Reg. No. 39,665 Peret, Andrew R. Reg. No. 41,246 Forrest, Bradley A. Reg. No. 30,837 Peterson, David C. Reg. No. 47,857 Gamon, Owen J. Reg. No. 36,143 Phillips, Bryan K. Reg. No. 46,990 Gorrie, Gregory J. Reg. No. 36,530 Prout, William F. Reg. No. 33,995 Gortych, Joseph E. Reg. No. 41,791 Schumm, Sherry W. Reg. No. 39,422 Greaves, John N. Reg. No. 40,362 Schwegman, Micheal L. Reg. No. 25,816 Haack, John L. Reg. No. 37,346 Speier, Gary J. Reg. No. 38,613 Harris, Robert J. Reg. No. 47,670 Steffey, Charles E. Reg. No. 46,251 Jurkovich,	Chadwick, Robin A.	Reg. No. 36,477	Nama, Kash	Reg. No. 44,255
Clise, Timothy B. Reg. No. 40,957 Nielsen, Walter W. Reg. No. 25,539 Cochran, David R. Reg. No. 46,632 Padys, Danny J. Reg. No. 35,635 Dahl, John M. Reg. No. 44,639 Parker, J. Kevin Reg. No. 33,024 Drake, Eduardo E. Reg. No. 40,594 Perdok, Monique M. Reg. No. 42,989 Embretson, Janet E. Reg. No. 39,665 Peret, Andrew R. Reg. No. 41,246 Forrest, Bradley A. Reg. No. 30,837 Peterson, David C. Reg. No. 47,857 Gamon, Owen J. Reg. No. 36,143 Phillips, Bryan K. Reg. No. 46,990 Gorrie, Gregory J. Reg. No. 36,530 Prout, William F. Reg. No. 33,995 Gortych, Joseph E. Reg. No. 41,791 Schumm, Sherry W. Reg. No. 39,422 Greaves, John N. Reg. No. 40,362 Schwegman, Micheal L. Reg. No. 25,816 Haack, John L. Reg. No. 36,154 Scott, John C. Reg. No. 38,613 Harris, Robert J. Reg. No. 37,346 Speier, Gary J. Reg. No. 45,458 Jackson Huebsch, Katharine A. Reg. No. 47,670 Steffey, Charles E. Reg. No. 46,251	Clapp, Richard R.	Reg. No. 31,751	Nasiedlak, Tyler L.	Reg. No. 40,099
Cochran, David R. Reg. No. 46,632 Padys, Danny J. Reg. No. 35,635 Dahl, John M. Reg. No. 44,639 Parker, J. Kevin Reg. No. 33,024 Drake, Eduardo E. Reg. No. 40,594 Perdok, Monique M. Reg. No. 42,989 Embretson, Janet E. Reg. No. 39,665 Peret, Andrew R. Reg. No. 41,246 Forrest, Bradley A. Reg. No. 30,837 Peterson, David C. Reg. No. 47,857 Gamon, Owen J. Reg. No. 36,143 Phillips, Bryan K. Reg. No. 46,990 Gorrie, Gregory J. Reg. No. 36,530 Prout, William F. Reg. No. 33,995 Gortych, Joseph E. Reg. No. 41,791 Schumm, Sherry W. Reg. No. 39,422 Greaves, John N. Reg. No. 40,362 Schwegman, Micheal L. Reg. No. 25,816 Haack, John L. Reg. No. 36,154 Scott, John C. Reg. No. 38,613 Harris, Robert J. Reg. No. 37,346 Speier, Gary J. Reg. No. 45,458 Jackson Huebsch, Katharine A. Reg. No. 47,670 Steffey, Charles E. Reg. No. 25,179 Jurkovich, Patti J. Reg. No. 37,650 Terry, Kathleen R. Reg. No. 31,884	Clark, Barbara J.	Reg. No. 38,107	Nelson, Albin J.	Reg. No. 28,650
Dahl, John M. Reg. No. 44,639 Parker, J. Kevin Reg. No. 33,024 Drake, Eduardo E. Reg. No. 40,594 Perdok, Monique M. Reg. No. 42,989 Embretson, Janet E. Reg. No. 39,665 Peret, Andrew R. Reg. No. 41,246 Forrest, Bradley A. Reg. No. 30,837 Peterson, David C. Reg. No. 47,857 Gamon, Owen J. Reg. No. 36,143 Phillips, Bryan K. Reg. No. 46,990 Gorrie, Gregory J. Reg. No. 36,530 Prout, William F. Reg. No. 33,995 Gortych, Joseph E. Reg. No. 41,791 Schumm, Sherry W. Reg. No. 39,422 Greaves, John N. Reg. No. 40,362 Schwegman, Micheal L. Reg. No. 25,816 Haack, John L. Reg. No. 36,154 Scott, John C. Reg. No. 38,613 Harris, Robert J. Reg. No. 37,346 Speier, Gary J. Reg. No. 45,458 Jackson Huebsch, Katharine A. Reg. No. 47,670 Steffey, Charles E. Reg. No. 25,179 Jurkovich, Patti J. Reg. No. 37,650 Terry, Kathleen R. Reg. No. 31,884	Clise, Timothy B.	Reg. No. 40,957	Nielsen, Walter W.	Reg. No. 25,539
Drake, Eduardo E. Reg. No. 40,594 Perdok, Monique M. Reg. No. 42,989 Embretson, Janet E. Reg. No. 39,665 Peret, Andrew R. Reg. No. 41,246 Forrest, Bradley A. Reg. No. 30,837 Peterson, David C. Reg. No. 47,857 Gamon, Owen J. Reg. No. 36,143 Phillips, Bryan K. Reg. No. 46,990 Gorrie, Gregory J. Reg. No. 36,530 Prout, William F. Reg. No. 33,995 Gortych, Joseph E. Reg. No. 41,791 Schumm, Sherry W. Reg. No. 39,422 Greaves, John N. Reg. No. 40,362 Schwegman, Micheal L. Reg. No. 25,816 Haack, John L. Reg. No. 36,154 Scott, John C. Reg. No. 38,613 Harris, Robert J. Reg. No. 37,346 Speier, Gary J. Reg. No. 45,458 Jackson Huebsch, Katharine A. Reg. No. 47,670 Steffey, Charles E. Reg. No. 25,179 Jurkovich, Patti J. Reg. No. 37,650 Terry, Kathleen R. Reg. No. 31,884	Cochran, David R.	Reg. No. 46,632	Padys, Danny J.	Reg. No. 35,635
Embretson, Janet E. Reg. No. 39,665 Peret, Andrew R. Reg. No. 41,246 Forrest, Bradley A. Reg. No. 30,837 Peterson, David C. Reg. No. 47,857 Gamon, Owen J. Reg. No. 36,143 Phillips, Bryan K. Reg. No. 46,990 Gorrie, Gregory J. Reg. No. 36,530 Prout, William F. Reg. No. 33,995 Gortych, Joseph E. Reg. No. 41,791 Schumm, Sherry W. Reg. No. 39,422 Greaves, John N. Reg. No. 40,362 Schwegman, Micheal L. Reg. No. 25,816 Haack, John L. Reg. No. 36,154 Scott, John C. Reg. No. 38,613 Harris, Robert J. Reg. No. 37,346 Speier, Gary J. Reg. No. 45,458 Jackson Huebsch, Katharine A. Reg. No. 47,670 Steffey, Charles E. Reg. No. 25,179 Jurkovich, Patti J. Reg. No. 44,813 Stordal, Leif T. Reg. No. 46,251 Kalis, Janal M. Reg. No. 37,650 Terry, Kathleen R. Reg. No. 31,884	Dahl, John M.	Reg. No. 44,639	Parker, J. Kevin	Reg. No. 33,024
Forrest, Bradley A. Reg. No. 30,837 Peterson, David C. Reg. No. 47,857 Gamon, Owen J. Reg. No. 36,143 Phillips, Bryan K. Reg. No. 46,990 Gorrie, Gregory J. Reg. No. 36,530 Prout, William F. Reg. No. 33,995 Gortych, Joseph E. Reg. No. 41,791 Schumm, Sherry W. Reg. No. 39,422 Greaves, John N. Reg. No. 40,362 Schwegman, Micheal L. Reg. No. 25,816 Haack, John L. Reg. No. 36,154 Scott, John C. Reg. No. 38,613 Harris, Robert J. Reg. No. 37,346 Speier, Gary J. Reg. No. 45,458 Jackson Huebsch, Katharine A. Reg. No. 47,670 Steffey, Charles E. Reg. No. 25,179 Jurkovich, Patti J. Reg. No. 44,813 Stordal, Leif T. Reg. No. 46,251 Kalis, Janal M. Reg. No. 37,650 Terry, Kathleen R. Reg. No. 31,884	Drake, Eduardo E.	Reg. No. 40,594	Perdok, Monique M.	Reg. No. 42,989
Gamon, Owen J. Reg. No. 36,143 Phillips, Bryan K. Reg. No. 46,990 Gorrie, Gregory J. Reg. No. 36,530 Prout, William F. Reg. No. 33,995 Gortych, Joseph E. Reg. No. 41,791 Schumm, Sherry W. Reg. No. 39,422 Greaves, John N. Reg. No. 40,362 Schwegman, Micheal L. Reg. No. 25,816 Haack, John L. Reg. No. 36,154 Scott, John C. Reg. No. 38,613 Harris, Robert J. Reg. No. 37,346 Speier, Gary J. Reg. No. 45,458 Jackson Huebsch, Katharine A. Reg. No. 47,670 Steffey, Charles E. Reg. No. 25,179 Jurkovich, Patti J. Reg. No. 44,813 Stordal, Leif T. Reg. No. 46,251 Kalis, Janal M. Reg. No. 37,650 Terry, Kathleen R. Reg. No. 31,884	Embretson, Janet E.	Reg. No. 39,665	Peret, Andrew R.	Reg. No. 41,246
Gorrie, Gregory J. Reg. No. 36,530 Prout, William F. Reg. No. 33,995 Gortych, Joseph E. Reg. No. 41,791 Schumm, Sherry W. Reg. No. 39,422 Greaves, John N. Reg. No. 40,362 Schwegman, Micheal L. Reg. No. 25,816 Haack, John L. Reg. No. 36,154 Scott, John C. Reg. No. 38,613 Harris, Robert J. Reg. No. 37,346 Speier, Gary J. Reg. No. 45,458 Jackson Huebsch, Katharine A. Reg. No. 47,670 Steffey, Charles E. Reg. No. 25,179 Jurkovich, Patti J. Reg. No. 44,813 Stordal, Leif T. Reg. No. 46,251 Kalis, Janal M. Reg. No. 37,650 Terry, Kathleen R. Reg. No. 31,884	Forrest, Bradley A.	Reg. No. 30,837	Peterson, David C.	Reg. No. 47,857
Gortych, Joseph E. Reg. No. 41,791 Schumm, Sherry W. Reg. No. 39,422 Greaves, John N. Reg. No. 40,362 Schwegman, Micheal L. Reg. No. 25,816 Haack, John L. Reg. No. 36,154 Scott, John C. Reg. No. 38,613 Harris, Robert J. Reg. No. 37,346 Speier, Gary J. Reg. No. 45,458 Jackson Huebsch, Katharine A. Reg. No. 47,670 Steffey, Charles E. Reg. No. 25,179 Jurkovich, Patti J. Reg. No. 44,813 Stordal, Leif T. Reg. No. 46,251 Kalis, Janal M. Reg. No. 37,650 Terry, Kathleen R. Reg. No. 31,884	Gamon, Owen J.	Reg. No. 36,143	Phillips, Bryan K.	Reg. No. 46,990
Greaves, John N. Reg. No. 40,362 Schwegman, Micheal L. Reg. No. 25,816 Haack, John L. Reg. No. 36,154 Harris, Robert J. Jackson Huebsch, Katharine A. Reg. No. 37,346 Reg. No. 47,670 Jurkovich, Patti J. Reg. No. 44,813 Reg. No. 44,813 Reg. No. 37,650 Terry, Kathleen R. Reg. No. 25,816 Reg. No. 25,816 Reg. No. 38,613 Reg. No. 45,458 Steffey, Charles E. Reg. No. 25,179 Reg. No. 25,179 Reg. No. 47,670 Reg. No. 37,650 Terry, Kathleen R. Reg. No. 31,884	Gorrie, Gregory J.	Reg. No. 36,530	Prout, William F.	Reg. No. 33,995
Greaves, John N. Reg. No. 40,362 Schwegman, Micheal L. Reg. No. 25,816 Haack, John L. Reg. No. 36,154 Scott, John C. Reg. No. 38,613 Harris, Robert J. Reg. No. 37,346 Speier, Gary J. Reg. No. 45,458 Jackson Huebsch, Katharine A. Reg. No. 47,670 Steffey, Charles E. Reg. No. 25,179 Jurkovich, Patti J. Reg. No. 44,813 Stordal, Leif T. Reg. No. 46,251 Kalis, Janal M. Reg. No. 37,650 Terry, Kathleen R. Reg. No. 31,884	Gortych, Joseph E.	Reg. No. 41,791	Schumm, Sherry W.	Reg. No. 39,422
Haack, John L.Reg. No. 36,154Scott, John C.Reg. No. 38,613Harris, Robert J.Reg. No. 37,346Speier, Gary J.Reg. No. 45,458Jackson Huebsch, Katharine A.Reg. No. 47,670Steffey, Charles E.Reg. No. 25,179Jurkovich, Patti J.Reg. No. 44,813Stordal, Leif T.Reg. No. 46,251Kalis, Janal M.Reg. No. 37,650Terry, Kathleen R.Reg. No. 31,884		Reg. No. 40,362	Schwegman, Micheal L.	Reg. No. 25,816
Jackson Huebsch, Katharine A.Reg. No. 47,670Steffey, Charles E.Reg. No. 25,179Jurkovich, Patti J.Reg. No. 44,813Stordal, Leif T.Reg. No. 46,251Kalis, Janal M.Reg. No. 37,650Terry, Kathleen R.Reg. No. 31,884		Reg. No. 36,154	Scott, John C.	Reg. No. 38,613
Jurkovich, Patti J.Reg. No. 44,813Stordal, Leif T.Reg. No. 46,251Kalis, Janal M.Reg. No. 37,650Terry, Kathleen R.Reg. No. 31,884	Harris, Robert J.	Reg. No. 37,346	Speier, Gary J.	Reg. No. 45,458
Jurkovich, Patti J.Reg. No. 44,813Stordal, Leif T.Reg. No. 46,251Kalis, Janal M.Reg. No. 37,650Terry, Kathleen R.Reg. No. 31,884	Jackson Huebsch, Katharine A.	Reg. No. 47,670	Steffey, Charles E.	Reg. No. 25,179
		Reg. No. 44,813	Stordal, Leif T.	Reg. No. 46,251
	Kalis, Janal M.	Reg. No. 37,650	Terry, Kathleen R.	Reg. No. 31,884
Klima-Silberg, Catherine I. Reg. No. 40,052 Tong, Viet V. Reg. No. 45,416	Klima-Silberg, Catherine I.	Reg. No. 40,052	Tong, Viet V.	Reg. No. 45,416
Kluth, Daniel J. Reg. No. 32,146 Viksnins, Ann S. Reg. No. 37,748	<u>o</u> .	Reg. No. 32,146	Viksnins, Ann S.	Reg. No. 37,748
Lacy, Rodney L. Reg. No. 41,136 Woessner, Warren D. Reg. No. 30,440			Woessner, Warren D.	Reg. No. 30,440
Lemaire, Charles A. Reg. No. 36,198	Lemaire, Charles A.	Reg. No. 36,198		

REVOCATION AND POWER OF ATTORNEY

Serial Number: 09/712,600

Filing Date: November 14, 2000

Method and Apparatus for Using Atrial Discrimination Algorithms to Determine Optimal Pacing Therapy and Therapy Timing Title:

CERTIFICATE UNDER 37 CFR §3.73(b)

Cardiac Pacemakers, Inc. hereby certifies that it is the assignee of the entire right, title and interest in the patent application identified above by virtue of an assignment from the inventor filed March 22, 2001 and recorded on Reel 011650, Frames 0171 - 0174. To the best of my knowledge and belief, title is in Cardiac Pacemakers, Inc., the assignee.

Pursuant to 37 C.F.R. §3.73(b) I hereby declare that I, Bryan K. Phillips, am empowered to sign this certificate on behalf of Cardiac Pacemakers, Inc., the assignee.

I hereby declare that all statement made herein of my own knowledge are true, and that all statements made on information and belief are believed to be true.

Please direct all correspondence in this case to:

Schwegman, Lundberg, Woessner & Kluth, P.A. P.O. Box 2938 Minneapolis, MN 55402 Telephone No. (612)373-6900

Richard R. Clapp

Title: Senior Patent Counsel for Cardiac Pacemakers,

Page 2 Dkt: 279.492US1

Inc.